

Haloacetic Acids and Dalapon in Drinking Water by GC/ECD					
EPA 552.2 Revision 1 1995					
Facility Name: _____ VELAP ID _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Primary Column: DB-5.625 [fused silica capillary with chemically bonded (5% phenyl)-methylpolysiloxane]] or equivalent bonded, fused silica column, 30m x 0.25mm ID, 0.25 µm film thickness.	EPA 6.13				
Confirmation Column: DB-1701 [fused silica capillary with chemically bonded (14% cyanopropylphenyl)-methylpolysiloxane]] or equivalent bonded, fused silica column, 30 m x 0.25 mm ID, 0.25 µm film thickness.	EPA 6.14				
Crystalline or granular ammonium chloride is added to sample containers for the purpose of dechlorination.	EPA 8.1.2				
[ ] Methyl-tert-Butyl Ether, High Purity -- Demonstrated to be free of analytes and interferences; redistilled in glass if necessary. [ ] Methanol, High Purity -- Demonstrated to be free of analytes and interferences. [ ] Acetone, High Purity -- Demonstrated to be free of analytes and interferences.	EPA 7.2.1 EPA 7.2.2 EPA 7.2.3				
Granular, anhydrous Sodium Sulfate is free of interfering substances: [ ] Baked at 400° for four hours, or [ ] subjected to Soxhlet extraction w/methylene chloride for 48 h. [ ] capped and stored in glass container	EPA 7.3.1				
1,2,3-trichloropropane is used as the internal standard?	EPA 7.5.1				
2,3-dibromopropionic Acid is used as a surrogate compound?	EPA 7.5.2				
Stock standard solutions are [ ] stored at -10° C, [ ] protected from light, and [ ] held no longer than one month?	EPA 7.5.3				
Primary Dilution Standards (prepared from stock standard solutions) are [ stored at -10° C, [ ] protected from light, and [ ] held no longer than one month?	EPA 7.5.4				
Are one or more additional laboratory method blanks analyzed after the analysis of a sample containing high concentrations of analytes to check for cross contamination?	EPA 4.2				
Notes/Comments:					

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Are samples held at 4° C and extracted within 14 days of collection?	EPA 8.3.2				
Are extracts analyzed [ ] within 7 days if stored at 4°C, or [ ] within 14 days if stored at -10°C?	EPA 8.3.2				
LFM (matrix spike) recoveries are within 70-130%?	EPA 9.7.3				
Is a 5 point initial calibration generated that brackets the working range?	EPA10.1.2				
[ ] Is the average response factor used when the RSD is 20% or less? and/or [ ] Are the response factors used to prepare a calibration curve for each compound?	EPA10.1.4 EPA10.1.				
Are surrogate recoveries of the blank, standards and samples 70-130%?	EPA 9.8.1				
After the surrogate is added, is the pH adjusted to less than 0.5 by adding 2 mL concentrated sulfuric acid?	EPA11.1				
After adjusting the pH, is 2 g copper II sulfate and 16 g muffled sodium sulfate quickly added to the sample?	EPA11.1				
Is 4 mL MTBE then added and the sample shaken on a mechanical shaker for 30 minutes or vigorously hand-shaken for 2 minutes?	EPA11.1				
Is about 3 mL of the upper MTBE layer transferred to a 15 mL centrifuge tube using a Pasteur pipet?	EPA11.2				
After adding 1 mL 10% sulfuric acid in methanol, is centrifuge tube capped and placed in heating block or sand bath at 50°C for 2 hours?	EPA11.2				
After cooling is 4 mL saturated sodium bicarbonate solution added in 1 mL increments and shaken for 2 minutes?	EPA11.2				
Is about 3 mL of the upper MTBE layer transferred to a 15 mL centrifuge tube using a Pasteur pipet?	EPA11.2				
After adding 1 mL 10% sulfuric acid in methanol, is centrifuge tube capped and placed in heating block or sand bath at 50°C for 2 hours?	EPA11.2				
After cooling is 4 mL saturated sodium bicarbonate solution added in 1 mL increments and shaken for 2 minutes?	EPA11.2				
Is exactly 1 mL of the upper MTBE layer transferred to duplicate autosampler vials to which the internal standard is added?	EPA11.2				
Notes/Comments:					